

Substitute for form 1449/PTO				Complete if Known
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/606,369	
		Filing Date	06/28/2000	
		First Named Inventor	Stuelpnagel, John R.	
		Art Unit	1744	
		Examiner Name	Beisner, W.H.	
Sheet	1	of	5	Attorney Docket Number
A-67493-3				

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number/Kind Code ²	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WBS	1	3,281,860	10/25/1966	Adams	_____
	2	3,690,836	09/12/1972	Buissiere	_____
	3	3,710,933	01/16/1973	Fulwyler	_____
	4	3,802,966	04/09/1974	Delekto	_____
	5	4,016,855	04/12/1977	Mimata	_____
	6	4,121,222	10/17/1978	Diebold	_____
	7	4,204,929	05/27/1980	Bier	_____
	8	4,349,510	09/14/1982	Kolehmainen	_____
	9	4,373,071	02/08/1983	Ikatura	_____
	10	4,458,066	07/03/1984	Caruthers	_____
	11	4,500,707	02/19/1985	Caruthers	_____
	12	4,672,040	06/09/1987	Josephson	_____
	13	4,707,454	11/17/1987	Hendrix	_____
	14	4,728,502	03/01/1988	Hamill	_____
	15	4,731,325	03/15/1988	Palva	_____
WBS	16	4,780,504	10/25/1988	Buenadia	_____
WBS	17	4,812,512	03/14/1989	Buenadia	_____

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ² -Number ³ -Kind Code ⁴	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WBS	18	WO 89/10977 A1	11/16/1989	Isis Innovation Limited	_____
	19	WO 90/00626 A1	01/25/1990	Baylor College of Medicine	_____
	20	WO 90/03382 A1	04/05/1990	Isis Innovation Limited	_____
	21	WO 90/15070 A1	12/13/1990	Affymax Technologies	_____
	22	WO 92/10092 A1	06/25/1992	Affymax Technologies	_____
WBS	23	WO 92/10587 A1	06/25/1992	Affymax Technologies	_____

Examiner Signature	<i>W.H.</i>	Date Considered	<i>9/12/05</i>
--------------------	-------------	-----------------	----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Complete if Known

INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/606,369
		Filing Date	06/28/2000
		First Named Inventor	Stuelphnagel, John R.
		Art Unit	1744
		Examiner Name	Beisner, W.H.
Sheet	2	of	5
		Attorney Docket Number	A-67493-3

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Document Number/Kind Code ²	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WAC	24	4,815,274	03/28/1989	Piatti	_____
	25	4,853,335	08/01/1989	Olsen	_____
	26	4,877,745	10/31/1989	Hayes	_____
	27	4,878,971	11/07/1989	Tsunekawa	_____
	28	4,879,097	11/07/1989	Whitehead	_____
	29	4,963,498	10/16/1990	Hillman	_____
	30	4,992,383	02/12/1991	Farnsworth	_____
	31	5,021,550	06/04/1991	Zeiger	_____
	32	5,047,524	09/10/1991	Andrus	_____
	33	5,087,820	02/11/1992	Kearns	_____
	34	5,141,813	08/25/1992	Nelson	_____
	35	5,143,854	09/01/1992	Pirrung	_____
	36	5,144,136	09/01/1992	Kubisiak	_____
	37	5,153,319	10/06/1992	Caruthers	_____
	38	5,188,963	02/23/1993	Stapleton	_____
WAC	39	5,200,051	04/06/1993	Cozzette	_____
WAC	40	5,204,253	04/20/1993	Sanford	_____

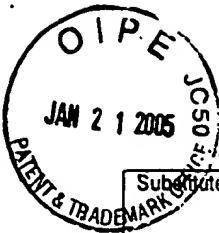
FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code-Number-Kind Code ²	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ³
WAC	41	WO 92/10588 A1	06/25/1992	Affymax Technologies	_____	
	42	WO 93/06121 A1	04/01/1993	Affymax Technologies	_____	
	43	WO 93/09668 A1	05/27/1993	Affymax Technologies	_____	
	44	WO 93/11262 A1	06/10/1993	Bertin & Cie	_____	
	45	WO 93/22053 A1	11/11/1993	Trustees of University of Pennsylvania	_____	
WAC	46	WO 93/22058 A1	11/11/1993	Trustees of University of Pennsylvania	_____	

Examiner Signature	<i>WAC</i>	Date Considered	4/12/05
--------------------	------------	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



Substitute for form 1449/PTO

 INFORMATION
DISCLOSURE
STATEMENT
BY APPLICANT

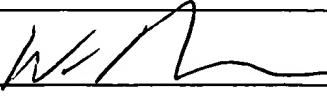
				Complete if Known
Sheet 3 of 5				Attorney Docket Number
Application Number	09/606,369			
Filing Date	06/28/2000			
First Named Inventor	Stuelphnagel, John R.			
Art Unit	1744			
Examiner Name	Beisner, W.H.			

U.S. PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Document Number/Kind Code*	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WJS	47	5,256,549	10/26/1993	Urdea	_____
	48	5,281,516	01/25/1994	Stapleton	_____
	49	5,281,540	01/25/1994	Merkh	_____
	50	5,287,272	02/15/1994	Rutenberg	_____
	51	5,288,514	02/22/1994	Ellman	_____
	52	5,300,779	04/05/1994	Hillman	_____
	53	5,304,487	04/19/1994	Wilding	_____
	54	5,310,469	05/10/1994	Cunningham	_____
	55	5,314,829	05/24/1994	Coles	_____
	56	5,320,808	06/14/1994	Holen	_____
	57	5,322,799	06/21/1994	Miller	_____
	58	5,346,672	09/13/1994	Stapleton	_____
	59	5,358,691	10/25/1994	Clark	_____
	60	5,374,395	12/20/1994	Robinson	_____
	61	5,382,511	01/17/1995	Stapleton	_____
	62	5,384,261	01/24/1995	Winkler	_____
WJS	63	5,436,129	07/25/1995	Stapleton	_____

FOREIGN PATENT DOCUMENTS

Examiner Initials*	Cite No.*	Foreign Patent Document Country Code-Number-Kind Code*	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T*
WJS	64	WO 97/33737 A1	09/18/1997	President and Fellows of Harvard College	_____	
	65	WO 98/08092 A1	02/26/1998	Smith Kline Beecham Corporation	_____	
	66	WO 00/48000 A2	08/17/2000	Illumina, Inc.	_____	
	67	WO 02/00336 A1	01/03/2002	Illumina, Inc.	_____	
	68	EP 0 260 965 B2	03/23/1988	Pacific Biotech Inc.	_____	
WJS	69	EP 0 378 968 A2	07/25/1990	Isis Innovation Limited & Ciba-Geigy AG	_____	

Examiner Signature		Date Considered	1/12/05
--------------------	---	-----------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

*Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. *Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ³ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ³ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. *Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



INFORMATION DISCLOSURE STATEMENT BY APPLICANT				Complete if Known	
				Application Number	09/606,369
				Filing Date	06/28/2000
				First Named Inventor	Stuelpnagel, John R.
				Art Unit	1744
				Examiner Name	Beisner, W.H.
Sheet	4	of	5	Attorney Docket Number	
A-67493-3					

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number/Kind Code ²	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WBS	70	5,445,970	08/29/1995	Rohr	_____
	71	5,451,500	09/19/1995	Stapleton	_____
	72	5,595,915	01/21/1997	Geysen	_____
	73	5,843,767	12/01/1998	Beattie	_____
	74	5,863,722	01/26/1999	Brenner	_____
	75	6,074,614	06/13/2000	Hafeman	_____
	76	6,355,431	03/12/2002	Chee	_____
	77	6,396,995	05/28/2002	Stuelpnagel	_____
	78	6,429,027	08/06/2002	Chee	_____
	79	6,544,732	04/08/2003	Chee	_____
	80	6,551,817	04/22/2003	Besemer	_____
	81	6,620,584	09/16/2003	Chee	_____
	82	6,663,832	09/16/2003	Lebl	_____
	83	US 2002/0132221	09/19/2002	Chee	_____
	84	US 2002/0132241	09/19/2002	Fan	_____
	85	US 2002/0150909	10/17/2002	Stuelpnagel	_____
WBS	86	US 2002/0177141	11/28/2002	Chee	_____

FOREIGN PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Foreign Patent Document Country Code ³ -Number ⁴ -Kind Code ⁵	Publication Date	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
WBS	87	EP 0 417 305 A1	03/20/1991	Idemitsu Petrochemical Co. Ltd.	_____

Examiner Signature	<i>WBS</i>	Date Considered	<i>4/12/05</i>
--------------------	------------	-----------------	----------------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450



<p style="text-align: center;">INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p>				Complete if Known			
				Application Number		09/606,369	
				Filing Date		06/28/2000	
				First Named Inventor		Stuepnagel, John R.	
				Art Unit		1744	
				Examiner Name		Beisner, W.H.	
Sheet	5	of	5	Attorney Docket Number	A-67493-3		

U.S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS

Examiner Signature	W/N	Date Considered	1/12/03
-----------------------	-----	--------------------	---------

*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Applicant's unique citation designation number (optional). ² See Kind Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 15 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached. This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. SEND TO: Commissioner for Patents, P.O. Box 1460, Alexandria, VA 22313-1460

3/7/05

ELECTRONIC INFORMATION DISCLOSURE STATEMENT

Electronic Version v18

Stylesheet Version v18.0

Title of Invention	COMPOSITE ARRAYS UTILIZING MICROSPHERES WITH A HYBRIDIZATION CHAMBER
--------------------	--

Application Number : 09/606369
Confirmation Number: 6020
First Named Applicant: John Stuelpnagel
Attorney Docket Number: A-67493-3
Art Unit: 1744
Examiner: William H. Beisner
Search string: (20030162210).pn



US Published Applications

Note: Applicant is not required to submit a paper copy of cited US Published Applications

init	Cite.No.	Pub. No.	Date	Applicant	Kind	Class	Subclass
W.B	1	20030162210	2003-08-28	Chetverin	165	—	—

Signature

Examiner Name	Date
	4/12/05